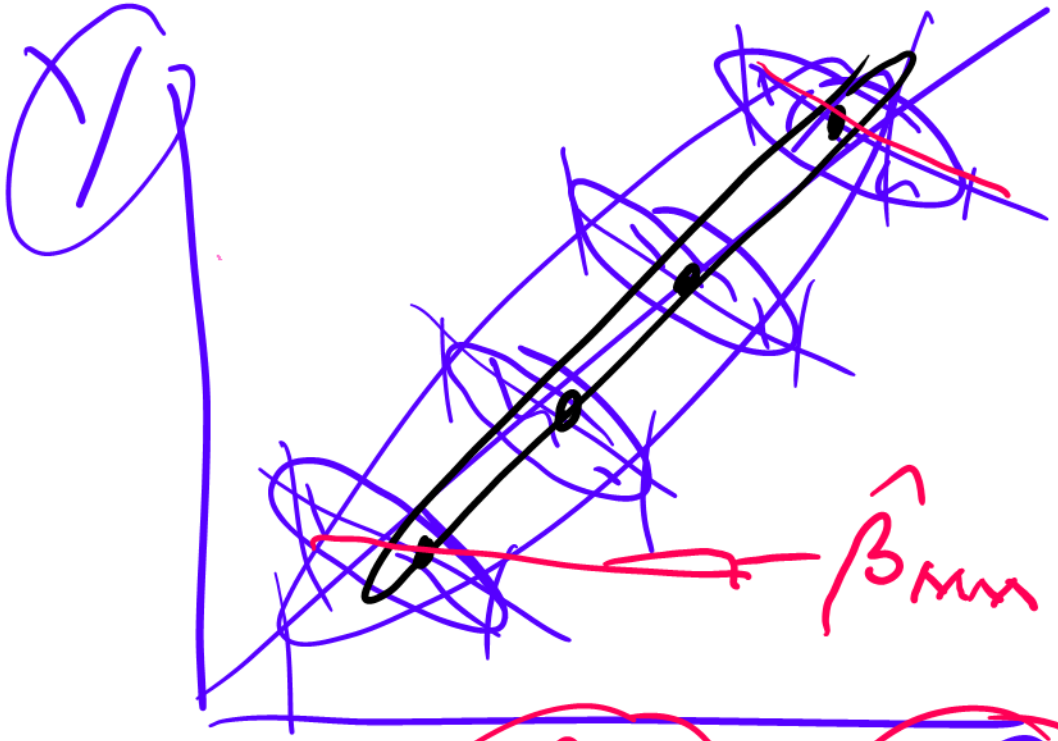


$\hat{\beta}_{MM}$

$\hat{\beta}_B > \hat{\beta}_P > \hat{\beta}_W$

$Y \sim X$

$\sim 1 + X \mid id$

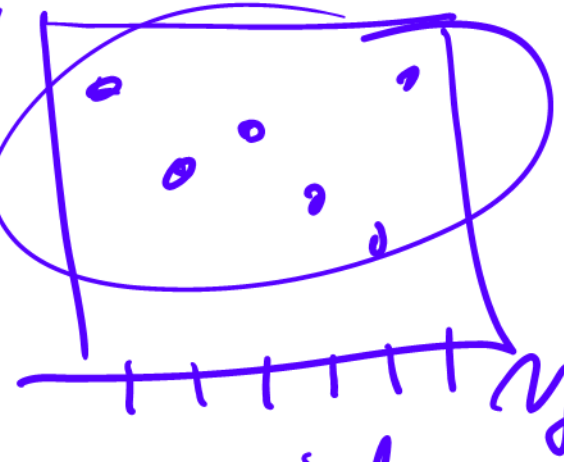
$\hat{\beta}_W$ X

$\hat{\beta}_P > \hat{\beta}_{MM} > \hat{\beta}_W$ in E

$Y \sim X + cvar(X, id)$

$\sim 1 + cvar(X, id) \mid id$

Lab 2



Clozapine – Typical

	id	Cloz – Typical	
lm(Y ~ 1 + Drug)		1.06	0.188
Y ~ 1 + Drug ~ 1 + Drug | pt		−2.11	.00215
Y ~ 1 + Drug + (Drug | pt) ~ 1 + Drug | pt	Int	−2.67	.00022

Y ~ 1 + Drug + cum(Drug|p-1) -1.04 .219

+ year

AR1